



Job No.: CTCE/BBMP/WNo.14/NS/CSR-04/015/CEMENT/2016-17 Date: 21.04.2016

TEST REPORT ON CEMENT

* CUSTOMER	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* AGENCY	: Mr. N. Shivamunda, # 35, 2 nd Cross, Defence Colony, Hesaraghatta Main Road, Bagalagunte, Bangalore - 73.
* NAME OF THE WORK	: Construction and repairs to culverts in Bagalagunte Ward No. 14, BBMP, Bangalore.
REFERENCE	: BBMP/DZ/AEE/TDSD/PR/2016-17 Dated 18.04.2016
SAMPLE ID	: Cement
SAMPLE RECEIVED ON	: 18.04.2016
PERIOD OF TESTING	: 18.04.2016 to 21.04.2016

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.50%	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	165 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	480 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.



Note:
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⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH .C
Quality Manager

(Handwritten signature and stamp)



Job No.: CTCF/BBMP/WNo.14/NS/CSR-04/015/SAND-Gratation/2016-17 : 21.04.2016

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesaraghatta Main Road, Bagalagunte,
Bangalore - 73.

* Name of Work : Construction and repairs to culverts in Bagalagunte Ward No. 14, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2016-17 Dated 18.04.2016

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 18.04.2016

Date of Testing : 21.04.2016

Total Wt. of Aggregates in gms 1000



Is Sieve Size in mm	Cumulative Weight Passing in %	Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	91.75	90-100	90-100	90-100	95-100
2.36	77.49	60-95	75-100	85-100	95-100
1.18	56.61	30-70	55-90	75-100	90-100
600 Micron	38.14	15-34	35-59	60-79	80-100
300 Micron	15.98	5-20	8-30	12-40	15-50
150 Micron	4.11	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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VISHWANATH .C
Quality Manager

(Signature)

(Signature)
U. Lakshmi, 202001
202001, 202001

Sub Division:

Division:

I) Name of work
 II) Estimate Original.....
 Revised.....
 Wok slip sanctioned in
 Commissioner's C/D No.....
 Rs.....

DL. No. of the P.W. Agreement
 Remarks of Explanation:
 IV) Name of piece worker
 Commissioner's C/D No.....
 Rs.....

1. Are the items of the bill in the order
 Of and as given in the estimate without
 Any change whatever?

2. Are the items not provided in the estimate
 in red ink column 4 of the bills?

3. Are the authorities quoted in the following cases?
 a. Items not in the estimate but billed for
 b. Items of excesses over the sanctioned estimate

Note: The authority being a sanctioned work slip
 Or special orders commissioner's / C.C

4. (a) Have the entries in the measurement book
 in connection with this bill been checked and found correct?

(b) Have all the points referred in the Mysore P.W.A
 Code been attended to in respect of entries in the
 measurement Book, so far as it relates to this bill?

5. Have all the items in the bill been arithmetically
 Checked and found Correct?

6. Have all the items been checked with agreement
 And found correct?

7. Explain delay in the following
 Date of measurement 195 (Mix)
 And Date of bill 95 (Min)
 Actual days taken days)

8. Have the recoveries on account of fines cost of
 Materials issued to the contractors, part payment for materials,
 Supplied by contractor hire of tools and plant lent to piece worker
 and losses thereof if any etc., been noted?

9. Has the contractor signed the measurement book
 As to acceptance of measurement.

10. Give number of the measurement book sent with this bill.

Account's Clerk
 Sub-Division Clerk
 D.C.E Asst. Engineer,
 North, South, East and
 Water supply Range
 Sub-Divisional Officer,



Job No.: CTCB/BBMP/WNo.14/NS/CSR-04/0151/AGG/GR/2016-17 : 21.04.2016

TEST REPORT ON COARSE AGGREGATES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesaraghatta Main Road, Bagalagunte,
Bangalore - 73.
* Name of Work : Construction and repairs to culverts in Bagalagunte Ward No. 14, BBMP,
Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2016-17 Dated 18.04.2016
Technical Reference : IS : 2386 Part 1 - 1963 RA-2007
Sample ID : Coarse Aggregates (40mm)
Sample Received on : 18.04.2016
Date of Testing : 21.04.2016

Total Wt. of Aggregates in gms = 7000

Is Sieve Size in mm	Cumulative Weight Passing in %	Graded	Spec.Limits as per IS 383-1970 (RA- 2007)
80	100	100	-
63	100	-	100
40	96.73	95-100	85-100
20	34.94	30-70	0-20
10	13.06	10-35	0-5
4.75	1.90	0-5	-

* Information is furnished by the Customer/Representative
Remarks : This sample is under Graded specific limits.
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VISHWANATH .C
Quality Manager

Job No.: CTCE/BBMP/WNo.14/NS/CSR-04/015/CUBE/2016-17

28.05.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
*** Agency** : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesarghatta Main Road, Bagalagunte,
Bangalore - 73.
*** Name of the work** : Construction and repairs to culverts in Bagalagunte Ward No. 14, BBMP,
Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2016-17 Dated 18.04.2016



*** Sample ID** : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M₁₀

Compressive Strength as on : 28th day

Sample Received on : 28.05.2016

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	30.04.2016	28.05.2016	8.251	268.7	11.94
2	30.04.2016	28.05.2016	8.362	283.5	12.60
3	30.04.2016	28.05.2016	8.174	252.6	11.23

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VISHWANATH .G
Quality Manager



Job No.: CTCE/BBMP/WNo.14/NS/STEEL/2016-17 02.05.2016

TEST REPORT ON REINFORCEMENT STEEL

Customer : Asst. Executive Engineer, T. Dasarahalli Sub
Agency : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesarahhatta Main
Road, Bagalagunte, Bangalore - 73.
Name of the Work : Construction and repairs to culverts in Bagalagunte
Ward No. 14, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TTSD/PR/2016-17
Dated 18.04.2016
Date of Test : 02.05.2016
Technical Reference : IS: 1786-2008



Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH				Rebend Test
			0.20% proof stress/Y _i	Tensile strength (Ultimate stress)	Elongation percent	Bend Test	
1	10	0.62	514	557	13.25	O.K	O.K

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakhiganiapathinagara,
Basaveshwaranagar,
Bangalore-560079.

[Signature]
[Stamp: CIVIL-TECH CONSULTANTS AND ENGINEERS, BANGALORE, INDIA]



Job No.: CTCF/BBMP/WNo.14/NS/STFEL/2016-17

02.05.2016

TEST REPORT ON REINFORCEMENT STEEL

Customer : Asst. Executive Engineer, T. Dasarahalli Sub
Agency : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesarahatta Main
Road, Bagalagunte, Bangalore - 73.
Name of the Work : Construction and repairs to culverts in Bagalagunte
Ward No. 14, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2016-17
Dated 18.04.2016
Date of Test : 02.05.2016
Technical Reference : IS: 1786-2008



Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH				Rebend Test
			0.20% proof stress/Y _{ie} N/mm ²	Tensile strength (Ultimate stress) N/mm ²	Elongation percent gauge length	Bend Test	
1	16	1.59	518	561	13.50	O.K	O.K

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakhiganiapathinagara,
Basaveshwaranagar,
Bangalore-560079.

RECEIVED
LABORATORY
23.05.2016



Job No.: CTCF/BBMP/WNo.14/NS/CSR-04/015/CURBE/2016-17

02.06.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Mr. N. Shivananda,
35, 2nd Cross, Defence Colony, Hesarghatta Main Road, Bagalagunte,
Bangalore - 73.
* Name of the work : Construction and repairs to culverts in Bagalagunte Ward No. 14, BBMP,
Bangalore.
Reference : BBMP/DZ/AEE/TTSD/PR/2016-17 Dated 18.04.2016
* Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete : M₁₅
Compressive Strength as on : 28th day
Sample Received on : 02.06.2016



SL.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2016	02.06.2016	8.219	362.8	16.12
2	05.05.2016	02.06.2016	8.324	389.4	17.31
3	05.05.2016	02.06.2016	8.415	375.2	16.68

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VISHWANATH C.
Quality Manager

Basaveshwara Nagar, Basaveshwara Nagar, Bangalore-79.

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